

NEW COMBINATIONS IN
ZANTHOXYLUM (RUTACEAE)
HAWAIIAN PLANT STUDIES 44

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There has been much shuffling of species and varieties back and forth between *Zanthoxylum* and *Fagara*. The Hawaiian species are still in need of a monographic study, but Fosberg (1958) presented a well reasoned argument that the two groups actually had the same generic characters. On accepting this view, it is necessary to put them all in the older genus which is *Zanthoxylum* L. To have them available, the following combinations are here made.

Zanthoxylum dipetalum Mann, var. **Hillebrandii** (Sherff) comb. nov.

Fagara dipetala (Mann) Engler, var. *Hillebrandii* Sherff, Am. Jour. Bot. 45: 462. 1958.

Z. dipetalum Mann, var. **Mannii** (Sherff) comb. nov.

Fagara dipetala (Mann) Engler, var. *Mannii* Sherff, Am. Jour. Bot. 45: 462. 1958.

Z. hawaiiense Hbd., var. **subacutum** (Sherff) comb. nov.

Fagara hawaiiensis (Hbd.) Engler, var. *subacuta* Sherff, Am. Jour. Bot. 45: 462. 1958.

Z. Hillebrandii Waterm., var. **hiloense** (Sherff) comb. nov.

Fagara glandulosa (Hbd.) Engler, var. *hiloensis* Sherff, Am. Jour. Bot. 45: 462. 1958.

Z. kauaense Gray var. **kohalanum** (Sherff) comb. nov.

Fagara kauaiensis (Gray) Engler var. *kohalana* Sherff, Am. Jour. Bot. 45: 461. 1958.

Z. kauaense Gray var. **tenuifolium** (Deg. & Sherff in Sherff) comb. nov.

Fagara kauaiensis (Gray) Engler var. *tenuifolia* Deg. & Sherff in Sherff, Am. Jour. Bot. 45: 461. 1958.

Z. maviense Mann var. **kaalanum** (Sherff) comb. nov.

Fagara mauiensis (Mann) Engler var. *kaalana* Sherff, Am. Jour. Bot. 45: 462. 1958.

- Z. maviense* Mann var. **lanaiense** (Sherff) comb. nov.
Fagara mauiensis (Mann) Engler var. *lanaiensis* Sherff,
Am. Jour. Bot. 45: 462. 1958.
- Z. maviense* Mann var. **maunahuiense** (Sherff) comb. nov.
Fagara mauiensis (Mann) Engler var. *maunahuiensis*
Sherff, Am. Jour. Bot. 45: 462. 1958.

LITERATURE CITED

- FOSBERG, F. R. 1958. *Zanthoxylum* L. and "*Xanthoxylum* Mill.",
and *Thylax* Raf. Taxon 7: 94-96.

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